I.
$$O$$

$$CH_3-Si-CH_3$$

$$CH_3-Si-CH_3$$

$$CH_3-Si-CH_3$$

$$CH_3-Si-CH_2$$

$$O$$

$$O$$

$$O$$

$$O$$

$$O$$

$$O$$

$$O$$

$$O$$

$$O$$

R: -OH Acrylic Acid (AA)
-NH₂ Acrylamide (AM)
-N(CH₃)₂ Dimethylacrylamide (DMA)
-OCH₂CH₂OH 2-Hydroxyethylacrylate (HEA)
-O(CH₂CH₂O)_nCH₃ PEG monomethoxylacrylate (PEG)

FIGURE 1

Best Available Copy

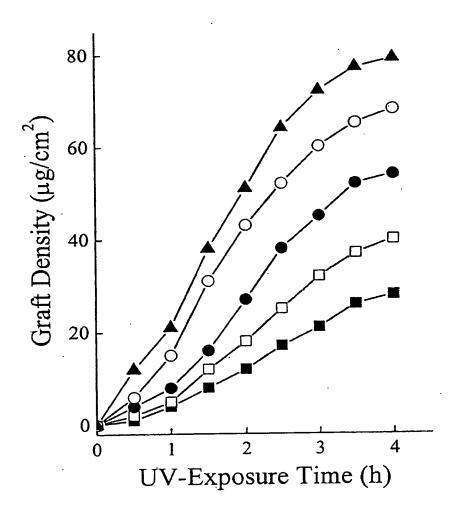


FIGURE 2

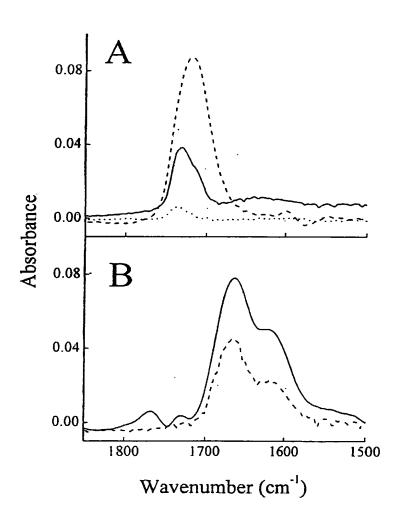


FIGURE 3A & 3B

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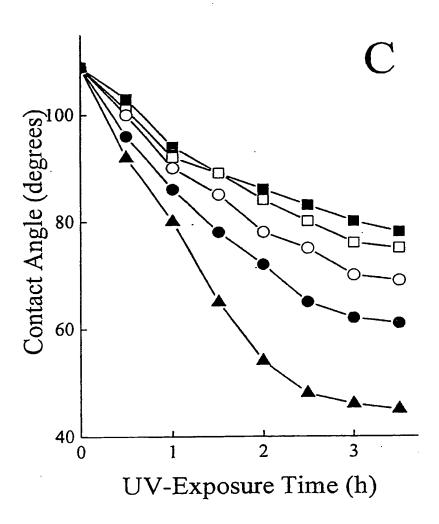


FIGURE 3C

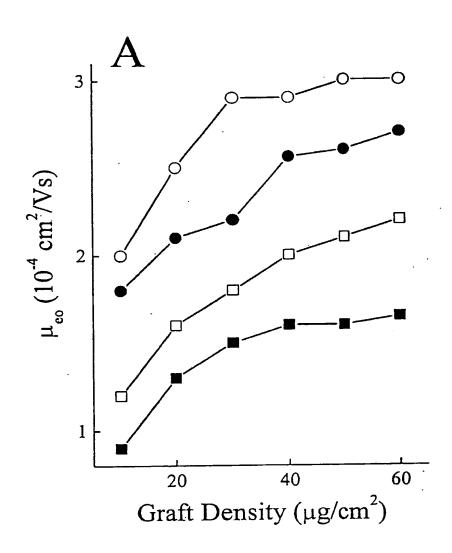


FIGURE 4A

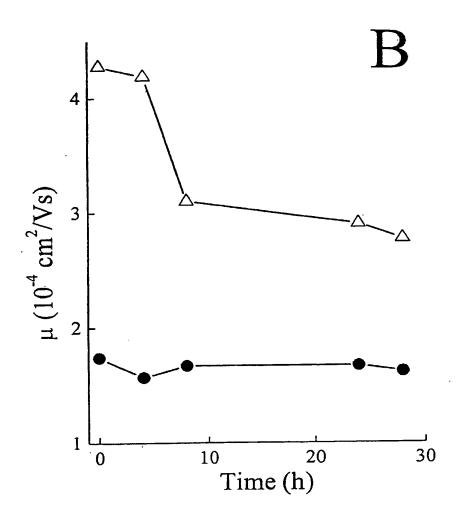


FIGURE 4B

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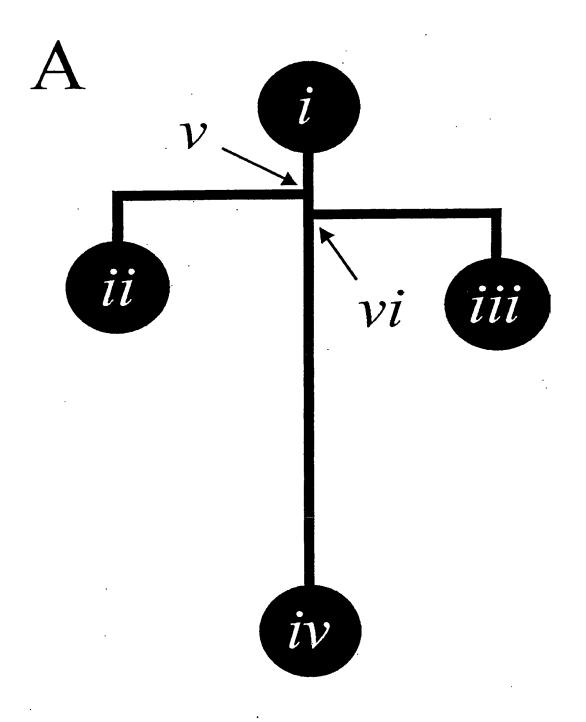


FIGURE 5A

PCT/US03/15192

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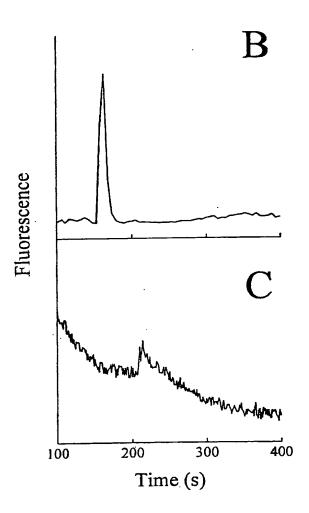
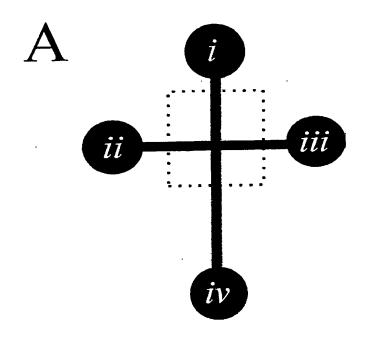


FIGURE 5B & 5C



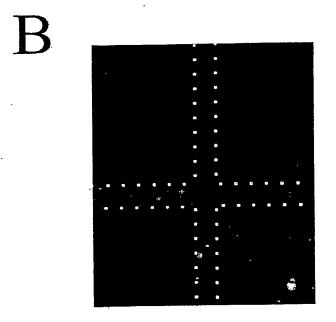


FIGURE 6A & 6B

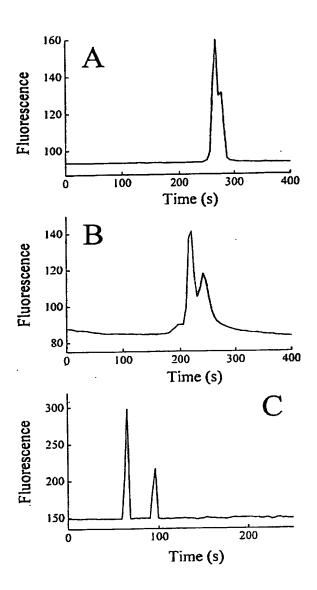


FIGURE 7A - 7C



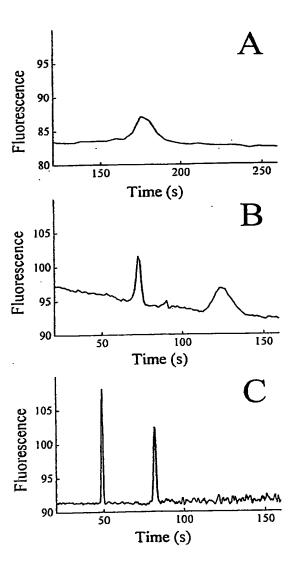


FIGURE 8A - 8C

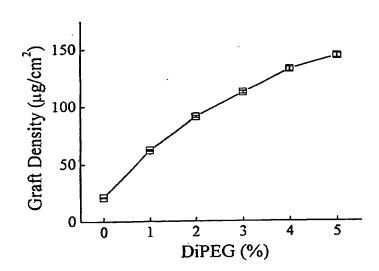


FIGURE 9

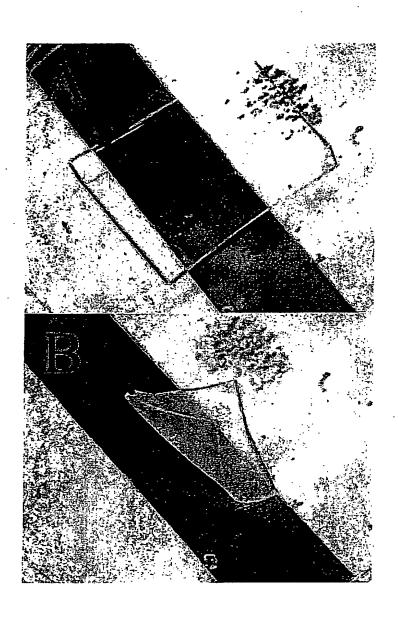


FIGURE 10

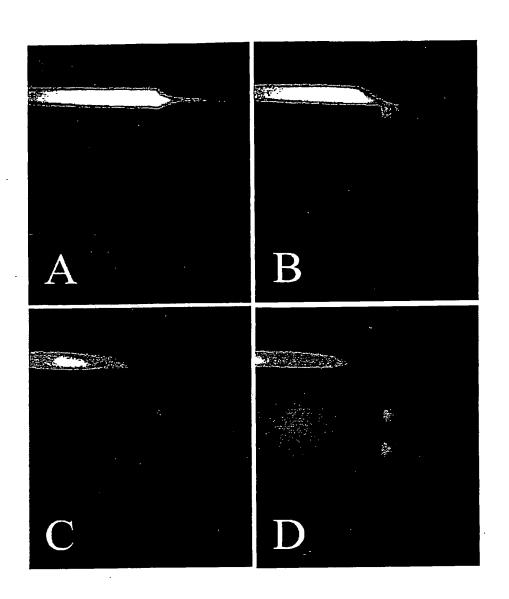


FIGURE 11A – 11D

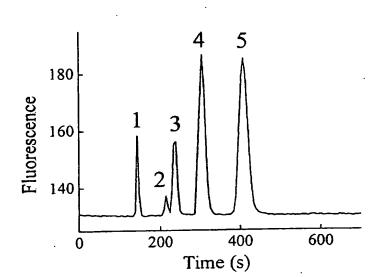


FIGURE 12

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